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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/534,736	05/12/2005	Josep Montanya Silvestre	0070.1100	9052
21171 STAAS & HA	21171 7590 12/13/2007 STAAS & HALSEY LLP		EXAM	INER
SUITE 700			ROJAS, BERNARD	
WASHINGTO	ORK AVENUE, N.W. N, DC 20005		ART UNIT	PAPER NUMBER
			2832	
			MAIL DATE	DELIVERY MODE
			12/13/2007	PAPER

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

	Application No.	Applicant(s)			
	10/534,736	MONTANYA SILVESTRE, JOSEP			
Office Action Summary	Examiner	Art Unit			
	Bernard Rojas	2832			
The MAILING DATE of this communication apperiod for Reply	pears on the cover sheet	with the correspondence address			
A SHORTENED STATUTORY PERIOD FOR REPL WHICHEVER IS LONGER, FROM THE MAILING D - Extensions of time may be available under the provisions of 37 CFR 1.1 after SIX (6) MONTHS from the mailing date of this communication. - If NO period for reply is specified above, the maximum statutory period - Failure to reply within the set or extended period for reply will, by statute Any reply received by the Office later than three months after the mailin earned patent term adjustment. See 37 CFR 1.704(b).	NATE OF THIS COMMUN 136(a). In no event, however, may will apply and will expire SIX (6) Mile, cause the application to become	IICATION. a reply be timely filed DNTHS from the mailing date of this communication. ABANDONED (35 U.S.C. § 133).			
Status					
1) Responsive to communication(s) filed on 28 A	Responsive to communication(s) filed on 28 August 2007.				
,	·				
	Since this application is in condition for allowance except for formal matters, prosecution as to the merits is				
closed in accordance with the practice under Ex parte Quayle, 1935 C.D. 11, 453 O.G. 213.					
Disposition of Claims		•			
4) ⊠ Claim(s) 38-71 is/are pending in the application 4a) Of the above claim(s) 41-44 and 49-70 is/a 5) □ Claim(s) is/are allowed. 6) ⊠ Claim(s) 38-40,45 and 71 is/are rejected. 7) ⊠ Claim(s) 46-48 is/are objected to. 8) □ Claim(s) are subject to restriction and/or	are withdrawn from consi	deration.			
Application Papers		•			
9) The specification is objected to by the Examino 10) The drawing(s) filed on is/are: a) accomposed and applicant may not request that any objection to the Replacement drawing sheet(s) including the correct 11) The oath or declaration is objected to by the E	cepted or b) objected to drawing(s) be held in abey ction is required if the drawing.	ance. See 37 CFR 1.85(a). g(s) is objected to. See 37 CFR 1.121(d).			
Priority under 35 U.S.C. § 119	•	•			
12) Acknowledgment is made of a claim for foreign a) All b) Some * c) None of: 1. Certified copies of the priority document 2. Certified copies of the priority document 3. Copies of the certified copies of the priority document application from the International Bureat* See the attached detailed Office action for a list	ts have been received. ts have been received in ority documents have been au (PCT Rule 17.2(a)).	Application No en received in this National Stage			
Attachment(s) 1) Notice of References Cited (PTO-892)	A) [T] Interview	v Summary (PTO-413)			
 Notice of References Cited (PTO-892) Notice of Draftsperson's Patent Drawing Review (PTO-948) Information Disclosure Statement(s) (PTO/SB/08) Paper No(s)/Mail Date 05122005 06282007. 	Paper N	o(s)/Mail Date f Informal Patent Application			

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DETAILED ACTION

Election/Restrictions

Applicant's election without traverse of Embodiment 2, claims 38, 39, 40, 45-48 and 71 in the reply filed on 08/28/2007 is acknowledged.

Claims 41-44 and 49-70 are withdrawn from further consideration pursuant to 37 CFR 1.142(b) as being drawn to a nonelected species, there being no allowable generic or linking claim. Election was made **without** traverse in the reply filed on 08/28/2007.

Priority

Receipt is acknowledged of papers submitted under 35 U.S.C. 119(a)-(d), which papers have been placed of record in the file.

Claim Rejections - 35 USC § 112.

The following is a quotation of the second paragraph of 35 U.S.C. 112:

The specification shall conclude with one or more claims particularly pointing out and distinctly claiming the subject matter which the applicant regards as his invention.

Claim 38 is rejected under 35 U.S.C. 112, second paragraph, as being indefinite for failing to particularly point out and distinctly claim the subject matter which applicant regards as the invention. it is unclear what is being defined by the following claim limitation "wherein the closing of the electric circuit occurs even though the conductor element remains at a voltage in principle unknown".

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Claim Rejections - 35 USC § 103

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.

Claims 38, 39, 40, 45 and 71 are rejected under 35 U.S.C. 103(a) as being unpatentable over Feng et al. [US 6,143,997] in view of Sun [US 6,307,452].

Claim 38, Feng et al. discloses a Miniaturized relay comprising: a first condenser plate [30, left], a second condenser plate [20, left] facing said first condenser plate, in which said second plate is smaller than or equal to said first plate [equal to], an intermediate space [figure 3b], a conductive element [17] arranged in said intermediate space, said conductive element being a detached part for movement freely along the intermediate space between a first end of said intermediate space, defining a first zone [the top, see figure 3b, where 17 located] and a second end of said intermediate space, defining a second zone [the bottom, see figure 3a, where 17 located], said movement depending on voltages present in said first and second condenser plates, where said first condenser plate is arranged in said first zone and said second condenser plate is arranged in said second zone, a third condenser plate [20, right] arranged in said second zone, in which said third condenser plate is smaller than or equal to said first condenser plate, and in which said second and third condenser plates are, together,

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larger than said first condenser plate [figures 3a and 3b] with a first electric circuit [16a, 16b] with a contact point [16] defining a first stop [figure 3b]

Feng et al. is a shunt type switch, it fails to teach that there is a break in the conductive element.

Sun teaches a an electric circuit [18] with a first contact point of an electric circuit [figure 3, top half of 18], a second contact point [figure 3, bottom half of 18] of said electric circuit, in which said first and second contact points define first stops [figure 5b], wherein, when said element contacts said first stops said conductive element closes said electric circuit [figure 5b].

It would have been obvious to one of ordinary skill in the art at the time the invention was made to change the signal line architecture of Feng et al. from a shunt switch to a single pull single throw switch as shown by Sun in order to have a switch which is normally closed instead of normally open.

Claim 71, Feng et al. discloses a relay according to claim 38, further comprising a substrate [10] that defines, with the first, second and third condenser plates and the first stops, the intermediate space, and conductive element's movement is in a direction perpendicular to the substrate [figures 3a and 3b].

Claim 39, Feng et al. discloses a relay according to claim 71, wherein said first contact point is in said second zone [figures 3a and 3b].

Claim 40, Feng et al. discloses a relay according to claim 383._99, wherein said second contact point is likewise in said second zone [figures 3a and 3b].

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Claim 45, Feng et al. discloses a relay according to claim 71, further comprising: a second stop [32] in said first zone [figures 3a and 3b].

Allowable Subject Matter

Claims 46-48 are objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims.

Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Bernard Rojas whose telephone number is (571) 272-1998. The examiner can normally be reached on M and W-F, 5:30-3:00.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Elvin G. Enad can be reached on (571) 272-1990. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

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Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

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ELVIN ENAD EXAMINER

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